RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 1

Source:

Date Processed by STIC:

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PCT

RAW SEQUENCE LISTING DATE: 04/14/2006
PATENT APPLICATION: US/10/541,749 TIME: 11:34:37

Input Set : A:\D0304 PCT sequence listing.ST25.txt

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3 <110> APPLICANT: Amler, Lukas C.
             Januario, Thomas
      6 <120> TITLE OF INVENTION: BIOMARKERS AND METHODS FOR DETERMINING SENSITIVITY TO
EPIDERMAL
             GROWTH FACTOR RECEPTOR MODULATORS
      9 <130> FILE REFERENCE: D0304 PCT
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/541,749
C--> 11 <141> CURRENT FILING DATE: 2005-07-07
     11 <150> PRIOR APPLICATION NUMBER: US 60/438,735
     12 <151> PRIOR FILING DATE: 2003-01-08
     14 <160> NUMBER OF SEQ ID NOS: 194
     16 <170> SOFTWARE: PatentIn version 3.2
     18 <210> SEQ ID NO: 1
     19 <211> LENGTH: 2058
     20 <212> TYPE: DNA
     21 <213> ORGANISM: Human
     23 <400> SEQUENCE: 1
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                                                                              120
     28 acacctgctc gcctgctccc agtagcccac caaaggtttt ctacagcctc tgctgtcccc
                                                                              180
     30 ctggccaaaa cagatacttg gccaaaggac gtgggcatcc tggccctgga ggtctacttc
                                                                              240
     32 ccagcccaat atgtggacca aactgacctg gagaagtata acaatgtgga agcaggaaag
                                                                              300
     34 tatacagtgg gcttgggcca gacccgtatg ggcttctgct cagtccaaga ggacatcaac
                                                                              360
     36 tecetgtgee tgaeggtggt geaacggetg atggagegea tacageteee atgggaetet
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     38 gtgggcaggc tggaagtagg cactgagacc atcattgaca agtccaaagc tgtcaaaaca
                                                                              480
     40 gtgctcatgg aactcttcca ggattcaggc aatactgata ttgagggcat agataccacc
                                                                              540
     42 aatgeetget aeggtggtae tgeeteecte tteaatgetg ceaactggat ggagteeagt
                                                                              600
     44 teetgggatg gtegttatge catggtggte tgtggagaca ttgeegteta teecagtggt
                                                                              660
     46 aatgetegte ceacaggtgg ggeeggaget gtggetatge tgattggeee aaaggeeeet
                                                                              720
     48 ctggccctgg agcgagggct gaggggaacc catatggaga atgtgtatga cttctacaaa
                                                                              780
     50 ccaaatttgg cctcggagta cccaatagtg gatgggaagc tttccatcca gtgctacttg
                                                                              840
     52 cgggccttgg atcgatgtta cacatcatac cgtaaaaaaa tccagaatca gtggaagcaa
                                                                              900
     54 gctggcagcg atcgaccctt cacccttgac gatttacagt atatgatctt tcatacaccc
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     56 ttttgcaaga tggtccagaa gtctctggct cgcctgatgt tcaatgactt cctgtcagcc
                                                                             1020
     58 agcagtgaca cacaaaccag cttatataag gggctggagg ctttcggggg gctaaagctg
                                                                             1080
     60 gaagacacct acaccaacaa ggacctqqat aaaqcacttc taaaqqcctc tcaqqacatq
                                                                             1140
     62 ttcgacaaga aaaccaaggc ttccctttac ctctccactc acaatgggaa catgtacacc
                                                                             1200
     64 teatecetgt aegggtgeet ggeetegett etgteeeaee aetetgeeea agaaetgget
                                                                             1260
     66 ggctccagga ttggtgcctt ctcttatggc tctggtttag cagcaagttt cttttcattt
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     68 cgagtatece aggatgetge tecaggetet cecetggaca agttggtgte cageacatea
                                                                             1380
     70 gacctgccaa aacgcctagc ctcccgaaag tgtgtgtctc ctgaggagtt cacagaaata
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     72 atgaaccaaa gagagcaatt ctaccataag gtgaatttct ccccacctgg tgacacaaac
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     74 agecttttcc caggtacttg gtacctggag cgagtggacg agcagcatcg ccgaaagtat
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     76 gcccggcgtc ccgtctaaag gtgttctgca gatccatgga aagcttcctg ggaaacgtat
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RAW SEQUENCE LISTING DATE: 04/14/2006
PATENT APPLICATION: US/10/541,749 TIME: 11:34:37

Input Set : A:\D0304 PCT sequence listing.ST25.txt
Output Set: N:\CRF4\04142006\J541749.raw

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78 gctagcagag cttctccccg tgaatcatat ttttaagatc ccactcttag ctggtaaatg
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     80 aatttgaatc gacatagtag ccccataagc atcagccctg tagagtgagg agccatctct
                                                                             1740
     82 agegggeeet teatteetet eeatgetgea ateaetgtee tgggettatg gtgeetatgg
                                                                             1800
     84 actaggggtc ctttgtgaaa gagcaagatg gagcaatgga gagaagacct cttcctgaat
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     86 cactggactc cagaaatgtg catgcagatc agctgttgcc ttcaagatcc agataaactt
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     88 teetgteatg tqttaqaaet ttattattat taatattqtt aaaettetgt getqtteetq
                                                                             1980
     90 tqaatctcca aattttqtac cttqttctaa qctaatatat aqcaattaaa aaqaqaqaaa
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     92 gagaaaaaaa aaaaaaaa
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     96 <211> LENGTH: 532
     97 <212> TYPE: DNA
     98 <213> ORGANISM: Human
     101 <220> FEATURE:
     102 <221> NAME/KEY: misc feature
     103 <222> LOCATION: (519)..(519)
     104 <223> OTHER INFORMATION: n is a, c, g, or t
     106 <400> SEQUENCE: 2
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     109 cataaaagta taaaaatgta ctaagtacaa tcattagcat tatgttatag gggaatagtg
                                                                               120
     111 gttataactt ttccctgtaa gatggcacat tggatggtca cagttggctt gatttacaga
                                                                               180
     113 ggggcaagag taggtgacca gttgtaccag ttgctccagt ttcctaggat ttgggactct
                                                                               240
     115 tgtaaaatga gaaagtccca ggcaaactgg gacggttggt cctacaagaa aaagagcagc
                                                                               300
     117 atcagagtgt tggctatagt ttggaactta ggaacaggat cagacattat tttttaactt
                                                                               360
     119 ctccacctat tttcccttta gctgtgaaat aaaaatccct tttgttatta ctgagggtgt
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     121 tacagettte agaggetttt ttaccaetqq qtttcatqta attttqaett aatacctatq
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W--> 123 tcaagcctgg gaagaaaggc agttctaatc aacttqcang tqtqqcattc tq
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     134 tgccccageg gagectgett egecatetee gagececace gecetteeae teeteggeet
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     136 tgcccgacac tgagacgctg ttcccagcgt gaaaagagag actgcgcggc cggcacccgg
                                                                               180
     138 gagaaggagg aggcaaagaa aaggaacgga cattcggtcc ttgcgccagg tcctttgacc
                                                                               240
     140 agagtttttc catgtggacg ctctttcaat ggacgtgtcc ccgcgtgctt cttagacgga
                                                                               300
     142 ctgcggtctc ctaaaggtcg accatggtgg ccgggacccg ctgtcttcta gcgttgctgc
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     144 ttccccaggt cctcctgggc ggcgcggctg gcctcgttcc ggagctgggc cgcaggaagt
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     146 tegeggegge gtegteggge egeceteat ceeagecete tgaegaggte etgagegagt
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     148 tegagttgeg getgeteage atgtteggee tgaaacagag acceacece ageagggaeg
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     150 ccgtggtgcc cccctacatg ctagacctgt atcgcaggca ctcaggtcag ccgggctcac
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     152 ccgccccaga ccaccggttg gagagggcag ccagccgagc caacactgtg cgcagcttcc
                                                                               660
     154 accatgaaga atctttggaa gaactaccag aaacgagtgg gaaaacaacc cggagattct
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     156 tctttaattt aagttctatc cccacggagg agtttatcac ctcagcagag cttcaggttt
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     158 teegagaaca gatgeaagat getttaggaa acaatageag ttteeateae egaattaata
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     160 tttatgaaat cataaaacct gcaacagcca actcgaaatt ccccgtgacc agacttttgg
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     162 acaccaggtt ggtgaatcag aatgcaagca ggtgggaaag ttttgatgtc accccgctg
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     164 tgatgcggtg gactgcacag ggacacgcca accatggatt cgtqqtqgaa qtqqcccact
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     166 tggaggagaa acaaggtgtc tccaagagac atgttaggat aagcaggtct ttgcaccaag
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PATENT APPLICATION: US/10/541,749 TIME: 11:34:37

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168	atgaacacag c	tggtcacag	ataaggccat	tgctagtaac	ttttqqccat	qatqqaaaaq	1140				
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	agtccagctg t						1260				
	ggattgtggc t						1320				
	tggctgatca t						1380				
	actctaagat t						1440				
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						3 33 333	1547				
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	<211> LENGTH: 5019										
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	gctgccaaca g						120				
	aggctgtcgc t						180				
	gccctggagg a						240				
	gagatgcacg g						300				
	aacgtgaccg t						360				
	accatcacct t						420				
	gacaagagca g						480				
	atcatctcag g						540				
	accaagttca c						600				
	gctggccgcg t						660				
	acctacgacc a						720				
	cggtgtcccc a						780				
	gggcagaact c						840				
	tcctgcccct c						900				
	cagttcgctg a						960				
	ggatcacacc a						1020				
	tgtcatggca a						1080				
	gagggtggca g						1140				
	gacgtgggag g						1200				
	cttcctgctt t						1260				
233	ggcacatgtg t	ggggaagcc	ggtcacatgg	acacacctgt	gcacacatgc	ctacaggcca	1320				
235	gctctgtgcc a	aagggcaacc	taggtaaaac	gaaagccgtc	aggggcagtg	ggcggcttcc	1380				
237	cggctgacca c	cagtggcttg	gactgtgagg	gtagagtagg	ctcgctttgc	tttcctgaga	1440				
239	agatgcggtg g	gctgcctatg	ttctcagagc	gggtctggga	agattcagaa	tgtccggtcc	1500				
241	ctgtggtgtt g	gccaggcaag	agacacgaag	tgccgagaca	ctcctcgcct	caccgcgtga	1560				
243	cagageetet g	gcccggccct	cccgttcgcc	cgtcctcact	agctgcaccc	tgtttgctcg	1620				
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247	aacctctcct g	gccaatccc	ccccgccgga	gagcaggaca	ctagggagga	ccccagtcc	1740				
	tgcagtgtct g						1800				
	tccacactgc c						1860				
	ccggcgctcc t						1920				
	cacactgcca c						1980				
	cgtggttctg g						2040				
	gcctgttagc c						2100				
261	gctcacagta c	aggagggtg	gcgaggcccc	tccctcactg	gcacgcatga	gcaccacccg	2160				

RAW SEQUENCE LISTING DATE: 04/14/2006 PATENT APPLICATION: US/10/541,749 TIME: 11:34:37

Input Set : A:\D0304 PCT sequence listing.ST25.txt

	cctccccgac						2220
265	acctgagcag	agcagaagcc	ccagggcgga	gctcccagcc	agcatggtcc	gctgagggct	2280
267	ggggggcggt	ctccgaggcc	cctcaacaga	gaagcctcca	cctgaggatg	gggaggacct	2340
269	ggcaggcagc	ttccacggca	gggctgggaa	gttcagtgcc	tggaaataaa	gagcaaggaa	2400
271	aaatggacct	caggcttcgt	ggctccttta	ggatgtcacc	tcaccggcct	ggggaaggcg	2460
	gggggtgccc						2520
275	cagaactaac	gtgcggaaac	atttgaaaac	aactctgaat	gtgcggttcg	gaatcacccg	2580
	atcacagacg						2640
279	cgatcacaga	cgagcggtca	ccggaatcgc	ccgatcacag	acgagcggcc	accggaatcg	2700
281	cccaatcaca	gacaagcagt	catcggaatc	acccgatcac	agacgagcag	tcatcggact	2760
283	cacccgatca	cagacgagcg	gtcaccagac	tcgcccgatc	acagacgagc	agtcatcgga	2820
	atcacccgat						2880
287	gaatcgcccg	atcacagacg	agcagtcatc	ggaatcaccc	gatcacagac	gagtggccac	2940
	cggaatcacc						3000
	acgagtggtc						3060
	tggcaccctt						3120
	caccctgggc						3180
	cagtccccac						3240
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	acctggctgg						3660
	agctcattca						3720
	accctaggcc						3780
	gtcctggcct						3840
	ccacacttcc						3900
	gcttttctca						3960
	tctttgaaaa						4020
	taaagtcacg						4080
	attgcatctg						4140
	ataacagacc						4200
	gtgttctctt						4260
	agaaaataaa						4320
	acaggttctg						4380
	ggacacaggg						4440
	ggtgacacca						4500
	ttctgtcggg						4560
	gagggacagg						4620
	agtgctgatc						4680
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RAW SEQUENCE LISTING DATE: 04/14/2006
PATENT APPLICATION: US/10/541,749 TIME: 11:34:37

Input Set : A:\D0304 PCT sequence listing.ST25.txt

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363 <213> ORGANISM: Human
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                                                                          120
370 gaccccaata atctggtttt tggaactgtg ttcacggatc atatgctgac ggtggaqtgg
                                                                          180
372 tcctcagagt ttggatggga gaaacctcat atcaagcctc ttcagaacct gtcattgcac
                                                                          240
374 cctggctcat cagctttgca ctatgcagtg gaattatttg aaggattgaa ggcatttcga
                                                                          300
376 ggagtagata ataaaattcq actgtttcaq ccaaacctca acatqqataq aatqtatcqc
                                                                          360
378 tctgctgtga gggcaactct gccggtattt gacaaagaag agctcttaga gtgtattcaa
                                                                          420
380 cagcttgtga aattggatca agaatgggtc ccatattcaa catctgctag tctgtatatt
                                                                          480
382 cgtcctgcat tcattggaac tgagccttct cttggagtca agaagcctac caaagccctg
                                                                          540
384 ctctttgtac tcttgagccc agtgggacct tatttttcaa gtggaacctt taatccagtg
                                                                          600
386 tccctgtggg ccaatcccaa gtatgtaaga gcctggaaag gtggaactgg ggactgcaag
                                                                          660
388 atgggaggga attacggctc atctcttttt gcccaatgtg aagacgtaga taatgggtgt
                                                                          720
390 cagcaggtcc tgtggctcta tggcagagac catcagatca ctgaagtggg aactatgaat
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392 ctttttcttt actggataaa tgaagatgga gaagaagaac tggcaactcc tccactagat
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394 ggcatcattc ttccaggagt gacaaggcgg tgcattctgg acctggcaca tcagtggggt
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396 gaatttaagg tgtcagagag atacctcacc atggatgact tgacaacagc cctggagggg
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398 aacagagtga gagagatgtt tagctctggt acagcctgtg ttgtttgccc agtttctgat
                                                                         1020
400 atactgtaca aaggegagac aatacacatt ccaactatgg agaatggtee taagetggea
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404 attgtgctat cctqa
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409 <212> TYPE: DNA
410 <213> ORGANISM: Human
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417 tgggcttcct ctccagcctc ctgaggaccc ggggctgcgt gagcgagcag aggcttaagg
                                                                          180
419 tetteagegg ggegeteeag gaggeactea cagageacta caaacaceae tggttteeeg
                                                                          240
421 aaaagccgtc caagggctcc ggctaccgct gcattcgcat caaccacaag atggacccca
                                                                          300
423 tcatcagcag ggtggccagc cagatcggac tcagccagcc ccagctgcac cagctgctgc
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425 ccagcgaget gaccctgtgg gtggacccct atgaggtgtc ctaccgcatt ggggaggacg
                                                                          420
427 gctccatctg cgtcttgtac gaggaggccc cactggccgc ctcctgtggg ctcctcacct
                                                                          480
429 gcaagaacca agtgctgctg ggccggagca gccctccaa gaactacgtg atggcagtct
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431 ccagctagge cetteegeee eegecetggg egeegeegtg etcatgetge egtgacaaca
                                                                          600
433 ggccaccaca tacctcaacc tggggaactg tatttttaaa tgaagagcta tttatatata
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435 ttatttttt ttaagaaagg aggaaaagaa accaaaagtt ttttttaaga aaaaaaatcc
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437 ttcaagggag ctgcttggaa gtggcctccc caggtgcctt tggagagaac tgttgcgtgc
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439 ttgagtctgt gagccagtgt ctgcctatag gagggggagc tgttaggggg tagacctagc
                                                                          840
441 caaggagaag tgggagacgt ttggctagca ccccaqgaag atgtgagagg gagcaagcaa
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443 ggttagcaac tgtgaacaga gaggtcggga tttgccctgg gggaggaaga gaggccaagt
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445 tcagagetet etgteteece eageeagaea eetgeateee tggeteetet attacteagg
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447 ggcattcatg cctggactta aacaatacta tqttatcttt tcttttattt ttctaatqaq
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449 gtcctgggca gagagtgaaa aggcctctcc tgattcctac tgtcctaagc tgcttttctt
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/14/2006
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Input Set: A:\D0304 PCT sequence listing.ST25.txt
Output Set: N:\CRF4\04142006\J541749.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:2; N Pos. 519
Seq#:17; N Pos. 155,266,280,295,304,330,354,3/15
Seq#:24; N Pos. 75,81,89,90,95,467,179/194,237,249,276,285,295,312,358,370
Seq#:24; N Pos. 377
Seq#:49; N Pos. 464
Seq#:54; N Pos. 9,10
Seq#:70; N Pos. 465,509,617,636,667,693,740,762
Seq#:72; N Pos. 285,361
Seq#:76; N Pos. 371,394
Seq#:87; N Pos. 28,276,422,463
Seq#:90; N Pos. 422,424
Seq#:91; N Pos. 97,322
Seg#:97; N Pos. 20,63,72
Seq#:102; N Pos. 548
Seq#:110; N Pos. 57,78,89,165,170,200,248,270,360,365,379,385,402,439,457
Seq#:110; N Pos. 474
Seq#:113; N Pos. 450,515,547,558,570,581
Seq#:115; N Pos. 359,481,483
Seq#:116; N Pos. 294
Seg#:117; N Pos. 341
Seq#:120; N Pos. 373,429
Seq#:122; N Pos. 598
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Invalid <213> Response:

Seq#:123; N Pos. 433

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:191,192,193,194

VERIFICATION SUMMARY DATE: 04/14/2006 PATENT APPLICATION: US/10/541,749 TIME: 11:34:38

Input Set : A:\D0304 PCT sequence listing.ST25.txt
Output Set: N:\CRF4\04142006\J541749.raw

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:480
L:1585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:120
L:1589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:240
L:1591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:300
L:1593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:360
L\!:\!2221~M\!:\!341~W\!: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:60
L:2223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:120
L:2225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:180
L:2227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:240
L:2229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:300
L:2231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:360
L:9196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:420
L:9441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0
L:10572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:420
L:10574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:480
L:10578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:600
L:10580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:660
L:10582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:720
L:10637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:240
L:10641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:360
L:10758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:360
L:11136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0
L:11144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:240
L:11150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:420
L:11238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:420
L:11262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:60
L:11270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:300
L:16218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:0
L:16220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:60
L:16335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:540
L:16606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:0
L:16608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:60
L:16610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:120
L:16612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:180
L:16614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:240
L:16616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:300
L:16618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:360
L:16620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:420
L:16718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:420
L:16720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:480
L:16722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:540
L:16778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:300 L:16784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:480
L:16807 \ M:341 \ W: \ (46) \ "n" \ or "Xaa" \ used, for SEQ ID#:116 after pos.:240
L:16844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:300
L:16918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:360
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VERIFICATION SUMMARYDATE: 04/14/2006PATENT APPLICATION: US/10/541,749TIME: 11:34:38

Input Set : A:\D0304 PCT sequence listing.ST25.txt

Output Set: N:\CRF4\04142006\J541749.raw

L:16920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:420 L:16978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:540 L:17017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:420